Palash Baran Pal

List of Publications by Year
in descending order

52 papers	**660** citations	759233 **12** h-index	552781 **26** g-index
57 all docs	**57** docs citations	**57** times ranked	**557** citing authors

#	ARTICLE	IF	CITATIONS
1	Dirac, Majorana, and Weyl fermions. American Journal of Physics, 2011, 79, 485-498.	0.7	128
2	Implications of the CERN LEP results for SO(10) grand unification. Physical Review D, 1992, 46, 2261-2264.	4.7	89
3	Generalized Fierz identities. American Journal of Physics, 2004, 72, 1100-1108.	0.7	86
4	P- andCP-odd terms in the photon self-energy within a medium. Physical Review D, 1989, 39, 652-659.	4.7	55
5	Scalar sector properties of two-Higgs-doublet models with a global U(1) symmetry. Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
6	Implications of results from the CERNe+eâˆ'collider LEP for SO(10) grand unification with two intermediate stages. Physical Review D, 1993, 47, 2892-2896.	4.7	46
7	Third electromagnetic constant of an isotropic medium. American Journal of Physics, 1994, 62, 207-216.	0.7	35
8	Faraday effect: A field theoretical point of view. Physical Review D, 1999, 60, .	4.7	32
9	NUCLEON INSTABILITY IN A SUPERSYMMETRIC SU(3)cÃ— SU(3)LÃ—U(1) MODEL. Modern Physics Letters A, 1998, 13, 2355-2360.	1.2	30
10	S 3 symmetry and the quark mixing matrix. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 315-318.	4.1	25
11	Inverse beta decay of arbitrarily polarized neutrons in a magnetic field. Pramana - Journal of Physics, 2004, 62, 1041-1058.	1.8	20
12	Quark mixing in an S3 symmetric model with two Higgs doublets. Physical Review D, 2017, 96, .	4.7	13
13	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>S</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> flavored left-right symmetric model of quarks. Physical Review D, 2018, 98, .	4.7	7
14	NON-UNIVERSAL GRAVITATIONAL COUPLINGS OF NEUTRINOS IN MATTER. Modern Physics Letters A, 1999, 14, 1199-1207.	1.2	6
15	Determination of cosmological parameters: An introduction for non-specialists. Pramana - Journal of Physics, 2000, 54, 79-91.	1.8	6
16	Propagation of gauge fields within a medium. Physical Review D, 1989, 40, 1350-1353.	4.7	5
17	Photon propagation in nontrivial backgrounds. Physical Review D, 2020, 102, .	4.7	5
18	Custodial symmetry, the Georgi-Machacek model, and other scalar extensions. Physical Review D, 2022, 105, .	4.7	5

#	ARTICLE	IF	CITATIONS
19	Covariant formulation of electrodynamics in isotropic media. European Journal of Physics, 2022, 43, 015204.	0.6	3
20	Number of fermion generations from a novel grand unified model. European Physical Journal C, 2014, 74, 1.	3.9	2
21	Coxeter groups and the PMNS matrix. European Physical Journal C, 2017, 77, 1.	3.9	2
22	Particle dark matter: An overview. Pramana - Journal of Physics, 1999, 53, 1053-1059.	1.8	1
23	THERMODYNAMICS OF A CLASSICAL IDEAL GAS AT ARBITRARY TEMPERATURES. International Journal of Modern Physics B, 2003, 17, 1035-1041.	2.0	1
24	Radiative neutrino decay and CP-violation in R-parity violating supersymmetry. Physical Review D, 2006, 74, .	4.7	1
25	At the root of things. Resonance, 2009, 14, 544-567.	0.3	1
26	Angular momentum non-conserving decays in isotropic media. European Physical Journal C, 2009, 63, 331-342.	3.9	1
27	Representation of Finite Groups. , 2019, , 227-280.		1
28	SO(10) unification with horizontal symmetry. Physical Review D, 2020, 102, .	4.7	1
29	Crossed two-Higgs-doublet models: Reduction of Yukawa parameters in the low-scale limit of left-right symmetry and other avatars. Physical Review D, 2020, 102, .	4.7	1
30	NEUTRINO SCATTERING IN STRONG MAGNETIC FIELDS. , 2000, , .		0
31	Involution symmetries and the PMNS matrix. Pramana - Journal of Physics, 2017, 89, 1.	1.8	0
32	Rules of Logic. , 2019, , 3-17.		0
33	Sets and Functions. , 2019, , 18-36.		0
34	Algebraic Structures. , 2019, , 37-64.		0
35	Operators on Vector Spaces. , 2019, , 88-125.		0
36	Infinite Dimensional Vector Spaces. , 2019, , 126-152.		0

#	Article	IF	Citations
37	General Properties of Groups. , 2019, , 155-186.		0
38	Finite Groups. , 2019, , 187-226.		0
39	Symmetries of Regular Geometrical Objects. , 2019, , 281-310.		0
40	Countably Infinite Groups. , 2019, , 311-325.		0
41	General Properties of Lie Groups. , 2019, , 326-357.		0
42	Rotations and Translations. , 2019, , 358-392.		0
43	Unitary Groups and Their Representations. , 2019, , 393-419.		0
44	Orthogonal Groups and Their Representations. , 2019, , 420-457.		0
45	Parameter Space of Lie Groups. , 2019, , 458-471.		0
46	Representations of the Lorentz Group. , 2019, , 472-502.		0
47	Roots and Weights. , 2019, , 503-547.		0
48	Some Other Groups and Algebras. , 2019, , 548-594.		0
49	Continuity of Functions. , 2019, , 597-606.		0
50	Topological Spaces. , 2019, , 607-630.		0
51	Homotopy Theory. , 2019, , 631-654.		0
52	Homology. , 2019, , 655-674.		0